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Notes on distribution and host plants of Cerambycidae (Coleoptera) from southern México

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Abstract. Notes on distribution and host plants are presented for 78 species of Cerambycidae from southern México in the genera *Aneflomorpha* Casey, *Anelaphus* Linsley, *Ataxia* Haldeman, *Canidia* Thomson, *Chemsakiella* Monné, *Clytopsis* Casey, *Cymatonycha* Bates, *Deltaspis* Audinet-Serville, *Dexitheia* Thomson, *Ecyrus* LeConte, *Essostrutha* Thomson, *Eudercus* LeConte, *Heterachthes* Newman, *Ironeus* Bates, *Ischnocnemis* Thomson, *Lagocheirus* Dejean, *Leptostylus* LeConte, *Lissonotus* Dalman in Schoenherr, *Lophalia* Casey, *Mecas* (s. str.) LeConte, *Mecotetartus* Bates, *Micropsyrassa* Linsley, *Mimolochus* Thomson, *Moneilema* Say, *Muscidora* Thomson, *Neocompsa* Martins, *Ochraethes* Chevrolat, *Oncideres* Lacordaire, *Parevander* Aurivillius, *Parmenonta* Thomson, *Paroxoplus* Chemsak, *Phaea* Newman, *Placosternus* Hopping, *Psapharochrus* Thomson, *Rhopalophora* Audinet-Serville, *Sphaenothecus* Dupont, *Stenaspis* Audinet-Serville, *Stenobatyle* Casey, *Stenosphenus* Haldeman, *Stenygra* Audinet-Serville, *Sternidius* LeConte, *Strangalia* Audinet-Serville, *Tanyochraethes* Chemsak & Linsley, *Tetraopes* Dalman in Schoenherr, *Thryallis* Thomson, *Tomentgaurotes* Podany, *Trachyderes* (*Dendrobias*) Dupont in Audinet-Serville, *Triacetelus* Bates, *Trichoxys* Chevrolat and *Tylosis* LeConte. The data presented include 47 new state records, 47 new adult host records and 60 new flower records.

Key Words. host plants, distribution.

The cerambycid fauna of México includes 1615 described species and subspecies (Monné & Bezark 2011) and numerous undescribed forms. Despite this diversity, details about distribution and host plant associations remain scarce or nonexistent for a majority of species (Monné 2005a, b, 2006; Noguera 2012). Most historical accounts indicate little more than “Mexico” (Toledo 2006), and only recently have revisionary works (e.g., Chemsak 1978, 1980, 1999; Chemsak & Linsley 1975, 1976; Giesbert & Chemsak 1989, 1993, 1997; Noguera 1993; Toledo 1997; Valdez-Sanchez & MacKay 1993) and faunistic studies (Chemsak & Noguera 1993; Noguera et al. 2002, 2008, 2009; Toledo 2006; Toledo et al. 2002) begun to include more precise collection data for the treated species. This paucity of published distribution and host data has hampered understanding of biogeographical patterns and host utilization in the Mexican fauna. We offer this paper as a further contribution to knowledge of Mexican Cerambycidae.

The notes that follow are based on material collected by the first author in the southern states of Michoacán, Oaxaca and Puebla during October 2004, July–August 2005 and October 2006. Voucher samples of plants on which adults were found were also collected and submitted to botanists at the Universidad Nacional Autónoma de México (Distrito Federal) for identification (see Acknowledgments). The collected

material represents 47 new state records, 47 new adult host records and 60 new flower records (*sensu* MacRae & Rice 2006). Taxa are arranged following the recent Western Hemisphere checklist (Monné & Bezark 2011) with updates (Monné 2012). For each species, previous records of distributions are summarized and augmented by recent catalogue listings (Monné 2001a, b, c, 2004, 2005a, b, 2006; Monné & Bezark 2011; Noguera 2012); however, many previous host listings do not indicate whether the association was larval or adult or, if the latter, whether the adults were associated with flowers or other parts of the plant. Some of these previous host records can be presumed to represent incidental associations not indicative of a biological relationship. Following summaries of previous records are label data from newly collected material, with states indicated by ALL CAPS, new records in **bold** text and number of specimens in (parentheses) after date of collection (or host plant if multiple). The following abbreviations are used when citing label data: elev. = elevation; *ex* = from; Hwy = Highway; km = kilometers; m = meters; nr. = near; Rd = road. Plant nomenclature follows Kartesz & Meacham (1999), with family given at first mention of a genus and author at first mention of a species (primary data only). All specimens are deposited TCMC (Evenhuis & Samuelson 2004).

This paper is dedicated to the memory of the late Richard “Dick” Penrose, one of several now-deceased members of the guild of California cerambycid workers. TCM met Dick in July 1987 at Miller Canyon during his first collecting experience in southern Arizona (and found *Plinthocoelium suaveolens plicatum* LeConte the next day based on the locality tip he provided). LGB knew Dick for many years as a colleague, field companion and co-worker at the California Department of Food and Agriculture. Dick was a meticulous worker and his enthusiasm for cerambycids was unwavering. He will be missed by those who knew him.

Subfamily Lepturinae

Tribe Rhagiini

Tomentgaurotes batesi (Aurivillius). Recorded from Distrito Federal, Hidalgo, México (state), Oaxaca, Puebla and Veracruz (Chemsak & Linsley 1963, Noguera 2012). OAXACA, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 16.x.2006, beaten *ex* ***Leucaena diversifolia*** (Schltdl.) Benth. (Fabaceae) (1) and on flowers of ***Montanoa tomentosa*** Cerv. ssp. ***tomentosa*** (Asteraceae) (1) and ***Tithonia* sp.** (Asteraceae) (1).

Tomentgaurotes plumbeus Chemsak & Linsley. Described from Oaxaca and Veracruz (Chemsak & Linsley 1963). OAXACA, 6 km S Matalán, 0.8 km W Hwy 190 on R.M.O. Ocototec, 16°49'21" N, 96°21'29" W, elev. 6600', 16.x.2004 (1), on flowers of ***Viguiera dentata*** (Cav.) Spreng. (Asteraceae); 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocototec, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (4) & 15.x.2006 (3), on flowers of *V. dentata*; 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18–21.x.2006 (3), on flowers of ***Zaluzania montagrifolia*** (Sch. Bip.) Sch. Bip. (Asteraceae). PUEBLA, 5.8 km SW Acatepec on Hwy 125, 18°12'39" N, 97°37'42" W, elev. 6400', 21.x.2004 (1), beaten *ex* ***Mimosa polyantha*** Benth. (Fabaceae).

Tribe Lepturini

Strangalia biannulata Linsley. Recorded from Guerrero, México (state), Morelos and Oaxaca, on flowers of *Croton* sp. (Chemsak & Linsley 1976); Morelos on flowers

of *Cephalanthus occidentalis*, *Croton* sp., *Eysenhardtia platycarpa*, *Mimosa guatemalensis*, *Stemmadenia galeotiana* and *Trichilia americana* (Noguera et al. 2002). **MICHOACÁN**, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 1–5.viii.2005 (23), on flowers of *Croton cladotrichus* Müll. Arg. (Euphorbiaceae).

Strangalia cavaventra Chemsak. Described from Oaxaca on flowers of *Croton* sp. (Chemsak & Linsley 1976); recorded from Jalisco on flowers of *Casearia tremula*, *Coccoloba* sp., *Croton* sp. and *Paullinia* sp. (Chemsak & Noguera 1993); Morelos on flowers of *Stemmadenia galeotiana* (Noguera et al. 2002); Monné & Bezark (2011) also list Chiapas. **MICHOACÁN**, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 5.viii.2005 (2), on flowers of *Croton cladotrichus*.

Strangalia sinaloae Chemsak & Linsley. Described from Sinaloa (Chemsak 1969a) (as *S. gracilis*). **MICHOACÁN**, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 5.viii.2005 (1), on flowers of *Croton cladotrichus*.

Subfamily Cerambycinae

Tribe Clytini

Clytopsis dimidiaticornis (Chevrolat). Recorded from Chihuahua, Distrito Federal, Durango, México (state), Michoacán, Oaxaca, Puebla, Querétaro and Veracruz (Chemsak & Linsley 1974, Noguera 2012). **OAXACA**, 6 km S Matalán, 0.8 km W Hwy 190 on R.M.O. Ocototec, 16°49'21" N, 96°21'29" W, elev. 6600, 16.x.2004 (1), on flowers of *Viguiera dentata*; 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocototec, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (1) & 15.x.2006 (1), on flowers of *V. dentata*. **PUEBLA**, 5 km N Nicolás Bravo nr. km 7, 18°37'51" N, 97°20'17" W, elev. 7750', 20.x.2004 (7), on flowers of *Gymnosperma glutinosum* (Spreng) Less (Asteraceae) and *Viguiera davillae* Panero & Villaseñor.

Dexitheia humeralis Chemsak & Noguera. Described from Chiapas, México (state), Nuevo León (Chemsak & Noguera 2001). **OAXACA**, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 15.x.2004 (1), beaten *ex Acacia* sp. (Fabaceae) or *Mimosa* sp.

Ochraethes sommeri (Chevrolat). Recorded from México (state) (Linsley 1935); Jalisco (Chemsak & Noguera 1993); Monné & Bezark (2011) also list Guanajuato, Hidalgo, Puebla and Sinaloa. **OAXACA**, 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocototec, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (15) & 15.x.2006 (3), on flowers of *Viguiera dentata*; 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18.x.2004 (4), on flowers of *V. dentata*; same locality, 18.x.2006 (4), on flowers of *Tithonia* sp. & beaten *ex Celtis* sp. (Ulmaceae). **PUEBLA**, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2004 (1) & 17.x.2006 (4), on flowers of *V. dentata*; 5.3 km W Nicolás Bravo nr. km 7, ~0.6 km up trail, 18°37'16" N, 97°19'53" W, elev. 8591', 19.x.2006 (3), on flowers of *Viguiera bombycina* S. F. Blake.

Ochraethes tomentosus (Chevrolat). Monné & Bezark (2011) list Puebla; Noguera (2012) also lists Guerrero, Morelos, Oaxaca and Tlaxcala. **PUEBLA**, 5.3 km W Nicolás Bravo nr. km 7, 0–1.5 km up trail, 18°37'51" N, 97°20'17" W, elev. 7750', 20.x.2004 (2), on flowers of *Viguiera dentata*; 5.3 km W Nicolás Bravo nr. km 7,

~0.6 km up trail, 18°37'38" N, 97°20'06" W, elev. 7984', 19.x.2006 (2), on flowers of *Viguiera bombycina*.

Ochraethes virescens (Chevrolat). Recorded from México (state) (Linsley 1935) (as *Triodoclytus virescens*). **PUEBLA**, 5.3 km W Nicolás Bravo nr. km 7, ~0.6 km up trail, 18°37'38" N, 97°20'06" W, elev. 7984', 19.x.2006 (1), on flowers of *Viguiera bombycina*.

Placosternus erythropus (Chevrolat). Recorded from Durango, Guanajuato, Sonora and Veracruz (Noguera 2012) to Costa Rica (Monné & Bezark 2011). Monné (2001a) lists *Acacia brindisi*, *A. hindsii*, *Baccharis neglecta*, *Condalia globosa*, *Prosopis dulcis* and *P. juliflora* as hosts. **OAXACA**, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18.x.2004 (1), on flowers of *Gymnosperma glutinosum*. **PUEBLA**, 5.8 km SW Acatepec on Hwy 125, 18°12'39" N, 97°37'42" W, elev. 6400', 19.x.2006 (1), on flowers of *Montanoa tomentosa* ssp. *tomentosa*.

Tanyochraethes anthophilus (Chevrolat). Monné & Bezark (2011) list Oaxaca. **OAXACA**, 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocoatepec, 16°49'32" N, 96°21'42" W, elev. 6800', 15.x.2006 (1), on flowers of *Viguiera dentata*.

Trichoxys sulphurifer (Chevrolat). Monné & Bezark (2011) list México (state). **PUEBLA**, 5 km N Nicolás Bravo nr. km 7, 18°37'51" N, 97°20'17" W, elev. 7750', 20.x.2004, on flowers of *Montanoa tomentosa* ssp. *tomentosa* (1), *Stevia jorullensis* Hbk. (Asteraceae) (1), *Viguiera bombycina* (4), *V. davillae* (12) and *V. dentata* (2).

Tribe Elaphidiini

Aneflomorpha cribellata (Bates). Only the type from Guerrero was known before now (Linsley 1961). **OAXACA**, 4.8 km E La Ventosa on Hwy 190, 16°33'27" N, 94°54'27" W, elev. 76', 28.vii.2005 (1), general beating.

Aneflomorpha rufipes Chemsak & Linsley. Described from Oaxaca and Sinaloa (Chemsak & Linsley 1968). **MICHOACÁN**, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga on Hwy 37, 18°25.852' N, 102°06.268' W, elev. 820 m, 1–4.viii.2005 (4), on flowers of *Croton cladotrichus*.

Anelaphus nitidipennis Chemsak & Linsley. Described from Colima, Oaxaca and Sinaloa (Chemsak & Linsley 1968); recorded from Jalisco (Chemsak et al. 1988, Chemsak & Noguera 1993, Noguera et al. 2008); Morelos (Noguera et al. 2002). **MICHOACÁN**, 29.5 km S Cuatro Caminos, Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beaten *ex Acacia cochliacantha* Humb. & Bonpl. *ex* Willd.

Irones duplex Bates. Recorded from Jalisco on flowers of *Allenanthus* sp. (Chemsak & Noguera 1993). **OAXACA**, 4.8 km E La Ventosa on Hwy 190, 16°33'27" N, 94°54'27" W, elev. 76', 28.vii.2005 (1), general beating.

Micropsyrassa reticulata Martins & Chemsak. Monné & Bezark (2011) list Guerrero, Michoacán, Morelos and Puebla; Noguera (2012) also lists Jalisco and Yucatán. **MICHOACÁN**, 10.4 km E Cuatro Caminos on Hwy 120, 18°55'50" N, 102°03'10" W, elev. 745', 4.viii.2005 (2), beaten *ex Lonchocarpus hintonii* Sandwith (Fabaceae).

Stenosphenus cribripennis cribripennis Thomson. Recorded from México (state) (Linsley 1935); Chiapas, Colima, Guerrero, Jalisco, Michoacán, Morelos, Nayarit, Oaxaca, Puebla, Sinaloa, Sonora and Veracruz on blossoms of trees (Giesbert & Chemsak 1989); Morelos on flowers of *Acacia angustissima*, *A. cochliacantha* and *Parthenium hyterophorus*, dead branches of *Acacia* sp. and dead tree of *Pseudobombax* sp. (Noguera et al. 2002); Chiapas on flowers of *Ceiba aesculifolia*, *Croton* sp., *Heliocarpus appendiculatus* and *Serjania triquetra* (Toledo et al. 2002);

Jalisco (Noguera et al. 2008); Sonora (Noguera et al. 2009); Noguera (2012) also lists Chihuahua and Durango. Monné (2001a) also lists *Acacia pennatula* and *Lantana* sp. as hosts. MICHOACÁN, 29.5 km S Cuatro Caminos on Hwy 37, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (18), beaten *ex Erythroxyton havanense* Jacq. (Erythroxytonaceae). OAXACA, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 21.x.2004 (3), on flowers of *Gymnosperma glutinosum*. PUEBLA, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (23), beaten *ex Acacia pennatula* (Schltdl. & Cham.) Benth. and on flowers of *Heliocarpus velutinus* Rose (Tiliaceae).

Stenosphenus maccartyi Giesbert & Chemsak. Described from Colima, Guerrero, Jalisco and Oaxaca on flowers of *Allenanthus* sp., *Colubrina* sp. and *Sapium* sp. (Giesbert & Chemsak 1989); Jalisco on flowers of *Croton* sp. and *Serjania* sp. (Chemsak & Noguera 1993). MICHOACÁN, 29.5 km S Cuatro Caminos on Hwy 37, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005, beaten *ex Erythroxyton havanense* (4) and *Achatocarpus gracilis* H. Walter (Achatocarpaceae) (1).

Stenosphenus sobrius (Newman). Recorded from Aguascalientes, Baja California (Norte), Baja California Sur, Chiapas, Chihuahua, Coahuila, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, México (state), Michoacán, Morelos, Nayarit, Nuevo León, Oaxaca, Puebla, San Luis Potosí, Sinaloa, Sonora, Tamaulipas, Veracruz and Zacatecas, reared from *Celtis* sp., *Cercocarpus* sp. and *Prosopis* sp. (Giesbert & Chemsak 1989); Noguera (2012) also lists Distrito Federal. Monné (2001) lists *Cercocarpus betuloides*, *Celtis reticulata* and *Prosopis juliflora* as hosts. OAXACA, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005 (3), beaten *ex Mimosa aculeaticarpa* Ortega (Fabaceae); 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 29.vii.2005, beaten *ex Acacia cochliacantha* (3) and *Leucaena diversifolia* (3).

Tribe Hexoplonini

Stenygra histrio Audinet-Serville. Recorded from México (state) (Linsley 1935); Morelos on flowers of *Croton* sp., *Parthenium hysterophorus* and *Trichilia americana* (Noguera et al. 2002); Chiapas (Toledo et al. 2002); Jalisco (Noguera et al. 2008); Noguera (2012) also lists Oaxaca and Veracruz. Monné (2001b) lists *Capsicum* sp., *Cucumis* sp., *Gossypium* sp., *Ipomoea* sp., *Phaseolus* sp., *Vigna* sp., *Sorghum* sp. and *Zea* sp. as hosts. MICHOACÁN, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 1.viii.2005 (1), on flowers of *Croton cladotrichus*.

Tribe Lissonotini

Lissonotus flavocinctus multifasciatus Dupont. Recorded from Jalisco on flowers of *Caesalpinia* sp., *Casearia corimbosa* and *Delonix* sp.; reared from *Acacia angustissima*, *A. cochliacantha*, *Amphipterygium adstringens*, *Ceiba pentandra*, *Caesalpinia sclerocarpa*, *Comocladia engleriana* and *Spondias purpurea* (Chemsak & Noguera 1993); Morelos (Noguera et al. 2002); Chiapas on flowers of *Ceiba aesculifolia* (Toledo et al. 2002); Jalisco (Noguera et al. 2008); Noguera (2012) also lists Durango, Oaxaca, Puebla and Veracruz. OAXACA, 2.0 km N Totolapan on Hwy 190, 16°40'53" N, 96°19'03" W, elev. 3300', 16.x.2004 (2), general beating; 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 21.x.2004 (1), beaten *ex Leucaena diversifolia*. The specimens actually bear greater

resemblance to ssp. *puncticollis* Bates but were collected well within the geographical range recorded for ssp. *multifasciatus*.

Tribe Neoibidionini

Subtribe Compsina

Heterachthes erineus Martins. Described from Sinaloa (Martins 1970). **OAXACA**, 15.4 km NE Sto. Domingo Tehuantepec, Hwy 185 @ km 268, Jct. Rancho Nochixtlán, 16°23'53" N, 95°06'36" W, elev. 20', 27.vii.2005 (1), beaten *ex Acacia farnesiana* (L.) Willd.

Heterachthes w-notatus Linsley. Recorded from Nayarit, Michoacán, México (state), Morelos, Oaxaca and Puebla (Martins 1971, Noguera 2012). **MICHOACÁN**, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 4.viii.2005 (1), beaten *ex Acacia cochliacantha*.

Neocompsa clerochroa (Thomson). Recorded from Chiapas, Colima, México (state), Oaxaca and Veracruz (Martins 1971). **MICHOACÁN**, 4.6 km NE Zicuirán on Hwy 120, 18°54'36" N, 101°56'41" W, elev. 740', 3.viii.2005 (1), beaten *ex Acacia cochliacantha*; 10.4 km E Cuatro Caminos on Hwy 120, 18°55'50" N, 102°03'10" W, elev. 745', 4.viii.2005 (2), beaten *ex A. cochliacantha*.

Neocompsa sinaloana (Linsley). Recorded from Sinaloa (Martins 1971). **OAXACA**, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005 (4), beaten *ex Senna polyantha* (Moc. & Sessé *ex* Collad.) H. S. Irwin & Barneby (Fabaceae).

Neocompsa tenuissima (Bates). Recorded from Sinaloa, Nayarit, Jalisco, Guanajuato, Michoacán, México (state), Puebla, Veracruz, Morelos, Guerrero and Oaxaca (Martins 1971); Noguera (2012) also lists Yucatán. **OAXACA**, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005, beaten *ex Mimosa aculeaticarpa* (5) and *Senna polyantha* (3).

Tribe Rhopalophorini

Rhopalophora miniatocollis Chevrolat. Recorded from Chiapas, Colima, Hidalgo, Jalisco, Michoacán, Oaxaca, Puebla, Querétaro, San Luis Potosí, Sinaloa and Tamaulipas (Giesbert & Chemsak 1993); recorded from Jalisco (Chemsak & Noguera 1993, Noguera et al. 2008); Chiapas (Toledo et al. 2002). **MICHOACÁN**, 29.5 km S Cuatro Caminos, Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 5.viii.2005 (1), on flowers of *Croton cladotrichus*.

Rhopalophora punctatipennis Linsley. Described from México (state) (Linsley 1935); recorded from Aguascalientes, Chiapas, Durango, Guanajuato, Jalisco, México (state), Michoacán, Oaxaca, San Luis Potosí, Sinaloa, Sonora, Veracruz and Zacatecas (Giesbert & Chemsak 1993); Chiapas (Toledo et al. 2002); Jalisco (Noguera et al. 2008); Sonora (Noguera et al. 2009). **OAXACA**, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005 (1), beaten *ex Mimosa aculeaticarpa*.

Rhopalophora tenuis (Chevrolat). Recorded from Aguascalientes, Chiapas, Chihuahua, Distrito Federal, Durango, Guanajuato, Hidalgo, Jalisco, México (state), Michoacán, Morelos, Nayarit, Oaxaca, Puebla, San Luis Potosí, Sinaloa, Sonora, Veracruz and Zacatecas (Giesbert & Chemsak 1993); Morelos on flowers of *Croton* sp. (Noguera et al. 2002). Monné (2001b) also lists *Lantana* sp. and *Salix* sp.

as hosts. OAXACA, 7.0 km NW Diaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005 (4), beaten *ex Mimosa aculeaticarpa*. PUEBLA, 2.5 km SW Zapotitlán on Hwy 125, 18°19'26" N, 97°29'55" W, elev. 5015', on flowers of *Parthenium tomentosum* DC. (Asteraceae).

Tribe Tillomorhini

Euderces batesi Giesbert & Chemsak. Described from Puebla and Oaxaca; beaten and reared from *Acacia* sp. (Giesbert & Chemsak 1997). PUEBLA, 12.5 Km SW Zapotitlán on Hwy 125, 18°15'18" N, 97°32'45" W, elev. 5623', 29.vii.2005 (1), beaten *ex Acacia farnesiana*.

Euderces longicollis (Linsley). Described from México (state) on flowers of *Spondias* (Linsley 1935) (as *Eplophorus longicollis*); recorded from Jalisco and Chiapas (Giesbert & Chemsak 1997); Morelos on flowers of *Croton* sp. (Noguera et al. 2002); Monné & Bezark (2011) also list Sinaloa and Guerrero and Noguera (2012) Michoacán. MICHOACÁN, 29.5 km S Cuatro Caminos on Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beaten *ex Acacia cochliacantha*; 10.4 km E Cuatro Caminos on Hwy 120, 18°55'50" N, 102°03'10" W, elev. 745', 4.viii.2005 (1), beaten *ex A. cochliacantha*.

Euderces nelsoni Chemsak. Described from Sinaloa on dead limbs (Chemsak 1969b); recorded from Jalisco on flowers of *Casearia tremula*, *Croton* sp. and *Erythroxyllum* sp. (Chemsak & Noguera 1993); Colima, Guerrero, Jalisco and Sinaloa (Giesbert & Chemsak 1997). MICHOACÁN, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 1–5.viii.2005 (2), on flowers of *Croton cladotrichus*.

Euderces perplexus Giesbert & Chemsak. Described from Oaxaca and Guerrero (Giesbert & Chemsak 1997); Monné & Bezark (2011) also list Morelos. OAXACA, 7.0 km NW Diaz Ordaz on Rd to Villa Alta, 17°02.027' N, 96°28.331' W, elev. 2295 m, 26.vii.2005 (4), beaten *ex Senna polyantha*.

Euderces postipallidus Giesbert & Chemsak. Described from Oaxaca (Giesbert & Chemsak 1997). OAXACA, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°02.027' N, 96°28.331' W, elev. 2295 m, 26.vii.2005 (3), beaten *ex Senna polyantha*.

Euderces pulchra (Bates). Recorded from Chiapas and Oaxaca (Giesbert & Chemsak 1997) (as "*pulcher*"); Morelos on flowers of *Croton* sp., *Mimosa guatemalensis*, *Sapium macrocarpum* and *Trichilia americana* (Noguera et al. 2002); Chiapas (Toledo et al. 2002) (as "*pulcher*"); Sonora (Noguera et al. 2009); Noguera (2012) also lists Colima, Durango, Guerrero, Jalisco, México, Michoacán, Nayarit and Sinaloa. MICHOACÁN, 29.5 km S Cuatro Caminos, Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beaten *ex Erythroxyllum havanense*.

Tribe Trachyderini

Subtribe Trachyderina

Chemsakiella virgulata (Chemsak). Described from Puebla on flowers of *Selloa* [= *Gymnosperma*] *glutinosa* (Chemsak 1987). OAXACA, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18–21.x.2004 (4), on flowers of *Viguiera dentata*. PUEBLA, 5 km N Nicolás Bravo nr. km 7, 18°37'51" N, 97°20'17" W, elev. 7750', 20.x.2004, on flowers of *Bidens osthruroides* (DC.) Sch. Bip.

(Asteraceae) (1), *Viguiera bombycina* (1), *Viguiera davillae* (1) and *V. dentata* (1); 5.8 km W Acatepec on Hwy 125, 18°12'39" N, 97°37'42" W, elev. 6400', 21.x.2004 (1), beaten *ex Mimosa polyantha*.

Deltaspis auromarginata Audinet-Serville. Monné & Bezark (2011) list simply México. OAXACA, 6 km S Matalán, 0.5 km W Hwy 190 on R.M.O. Ocototec, 16°49'29" N, 96°21'25" W, elev. 6460', 16.x.2006 (1), on flowers of *Viguiera dentata*. PUEBLA, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 14.x.2004 (2), on flowers of *Viguiera dentata*; same locality, 16.x.2006 (2), beaten *ex Senna wislizeni* (A. Gray) H. S. Iewin & Barneby.

Deltaspis cyanipes Bates. Recorded from Jalisco, México (state), Morelos and Puebla (Toledo 2006). PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (2), on flowers of *Montanoa* sp.

Deltaspis rubriventris Bates. Recorded from México (state) (Linsley 1935); Michoacán and Morelos (Toledo 2006); Monné & Bezark (2011) also list Durango, Guerrero and Sinaloa. PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006, on flowers of *Anoda cristata* (L.) Schldtl. (Malvaceae) (6) and *Senna hirsuta* (L) H. S. Irwin & Barneby (1).

Ischnocnemis caeruleascens Bates. Recorded from Jalisco on flowers of *Zinnia maritima* (Chemsak & Noguera 1993); Morelos (Noguera et al. 2002); Chiapas on flowers of *Tithonia rotundifolia* (Toledo et al. 2002); Monné & Bezark (2011) also list Guerrero and Noguera (2012) Oaxaca. PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006, on flowers of *Montanoa* sp. (1), *Sclerocarpus* sp. (Asteraceae) (1) and *Senna hirsuta* (1).

Ischnocnemis sexualis Bates. Recorded from México (state) (Linsley 1935); Jalisco on flowers of *Zinnia* sp. (Chemsak & Noguera 1993); Monné & Bezark (2011) also list Guanajuato. PUEBLA, 2.7 km N Petlalcingo on Hwy 190 @ km 174, 18°05'54" N, 97°56'46" W, elev. 4824', 16.x.2006 (1), on yellow flowers of *Melampodium* sp. (Asteraceae); 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (9), on flowers of *Viguiera dentata*.

Ischnocnemis skillmani Chemsak & Hovore in Eya. Described from Oaxaca (Eya 2010). OAXACA, 6 km S Matalán, R.M.O. Ocototec, 0.8 km W Hwy 190, 16°49'21" N, 96°21'29" W, elev. 6600', 16.x.2004 (1), on flowers of *Viguiera dentata*; 6 km S Matalán, R.M.O. Ocototec, 1.7 km W Hwy 190, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (5), on flowers of *V. dentata*.

Lophalia cyanicollis (Dupont). Recorded from Chiapas on flowers of *Cosmos sulphureus* and *Tithonia rotundifolia* (Toledo et al. 2002); Monné & Bezark (2011) also list México (state) and Veracruz. PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (1), on flowers of *Montanoa* sp.

Muscidora tricolor Bates. Recorded from México (state) (Linsley 1935); Jalisco on flowers of *Sida* sp. (Chemsak & Noguera 1993); Morelos (Noguera et al. 2002); Sonora (Noguera et al. 2009). OAXACA, 7.0 km SE Huajuapán de León on Hwy 190, 17°46'06" N, 97°45'19" W, elev. 5560', 17.x.2004 (2), on flowers of *Bidens odorata* Cav. PUEBLA, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2004 (4), on flowers of *Viguiera dentata*; 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006, on flowers of *Anoda cristata* (2) and *Senna hirsuta* (1).

Parevander xanthomelas (Guérin-Méneville). Recorded from Jalisco on flowers of *Tithonia* sp. (Chemsak & Noguera 1993); Chiapas on flowers of *Cosmos sulphureus* and

Tithonia rotundifolia (Toledo et al. 2002); Monné & Bezark (2011) also list Guerrero, Puebla and Oaxaca. Monné (2001) lists *Lantana* sp. as a host. OAXACA, 6 km S Matalán, RMO Ocotopoc, 0.8 km W Hwy 190, 16°49'21" N, 96°21'29" W, elev. 6600', 16.x.2004 (3), on flowers of *Viguiera dentata*; 6 km S Matalán, RMO Ocotopoc, 1.7 km W Hwy 190, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (4), on flowers of *V. dentata*; 6 km S Matalán, RMO Ocotopoc, 0.5 km W Hwy 190, 16°49'29" N, 96°21'25" W, elev. 6460', 15.x.2006 (1), on flowers of *V. dentata*. PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (1), on flowers of *Montanoa* sp.; 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (3), on flowers of *V. dentata*.

Paroxplus ornaticollis (Lacordaire). Recorded from México (state) (Linsley 1935) (as *Oxoplus ornaticollis*); Monné & Bezark (2011) also list Guerrero, Morelos and Oaxaca. PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (1), on flowers of *Anoda cristata*.

Sphaenothecus argenteus Bates. Recorded from Jalisco on flowers of *Croton* sp. (Chemsak & Noguera 1993); Chiapas, Jalisco, Michoacán, Oaxaca and Sinaloa (Chemsak & Noguera 1998); Chiapas (Toledo et al. 2002); Monné & Bezark (2011) also list Sinaloa. MICHOACÁN, 29.5 km S Cuatro Caminos, Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beaten ex *Erythroxylyon havanense*.

Sphaenothecus picticornis Bates. Recorded from Guerrero, México, Michoacán, Morelos, Oaxaca, Puebla and Veracruz (Chemsak & Noguera 1998); Jalisco (Noguera et al. 2008). PUEBLA, 2.7 km N Petlalcingo, Hwy 190 @ km 174, 18°05'54" N, 97°56'46" W, elev. 4824', 16.x.2006 (1), beaten ex *Acacia cochliacantha*; 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (4), on flowers of *Heliocarpus velutinus*.

Sphaenothecus trilineatus Dupont. Recorded from México (state) (Linsley 1935); Jalisco on flowers of *Acacia* sp., *Caesalpina* sp., *Croton* sp., *Leucaena* sp. and *Lonchocarpus* sp.; reared from *Acacia angustissima*, *Amphipterygium adstringens*, *Caesalpina* sp., *Delonix regia*, *Lonchocarpus magallanesii* and *Spondias purpurea* (Chemsak & Noguera 1993); Chiapas, Guerrero, Morelos, Michoacán, Oaxaca, Puebla, Sinaloa and Veracruz (Chemsak & Noguera 1998); Morelos on flowers of *Gliricidia sepium*, *Ipomoea* sp. and trunk of dead *Pseudobombax* sp. (Noguera et al. 2002); Chiapas on flowers of *Heliocarpus appendiculatus*, *Sapindus saponaria* and *Ceiba aesculifolia* (Toledo et al. 2002). Monné (2001b) also lists *Acacia filicina*, *Caesalpinia eriostachys*, *C. platyloba*, *Ceiba pentandra* and *Citrus* sp. as hosts. MICHOACÁN, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 3.viii.2005 (1), beaten ex *Acacia cochliacantha*. OAXACA, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18.x.2004 (1), beaten ex *Ipomoea pauciflora* Martens & Galeotti (Convolvulaceae); same locality, 18.x.2006 (1), beaten ex *A. cochliacantha*; 10.0 km E Huajuapán de León on Hwy 125, 17°51'31" N, 97°42'50" W, elev. 5520', 18.x.2004 (2), beaten ex *Acacia farnesiana*. PUEBLA, 2.7 km N Petlalcingo on Hwy 190 @ km 174, 18°05'54" N, 97°56'46" W, elev. 4824', 16.x.2006 (2), beaten ex *Senna wislizeni* and *A. cochliacantha*; 5.0 km N Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (14), on flowers of *Heliocarpus velutinus*.

Stenaspis castaneipennis Dupont. Monné & Bezark (2011) list Oaxaca. OAXACA, 6 km S Matalán, 0.5 km W Hwy 190 on R.M.O. Ocotopoc, 16°49'29" N, 96°21'25" W, elev. 6460', 16.x.2004 (5), on flowers of *Viguiera dentata*; 6 km S Matalán, 0.8 km W Hwy 190 on R.M.O. Ocotopoc, 16°49'21" N, 96°21'29" W, elev. 6600', 16.x.2004 (13), on flowers

of *V. dentata*; 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocototec, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (7) & 15.x.2006 (6), on flowers of *V. dentata*.

Stenobatyte eburata (Chevrolat). Recorded from Guerrero, Michoacán, Puebla, Oaxaca, Sinaloa, Sonora, Veracruz and Yucatán; on flowers of *Buddleia* sp., *Croton* sp., *Donneilsmithia* sp. and *Jatropha* sp. (Chemsak 1980); Jalisco on flowers of *Boerhavia* sp. and *Croton* sp. (Chemsak & Noguera 1993); Morelos on flowers of *Croton* sp. (Noguera et al. 2002); Chiapas (Toledo et al. 2002); Noguera (2012) also lists Nayarit, Quintana Roo and San Luis Potosí. MICHOACÁN, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga on Hwy 37, 18°25.852' N, 102°06.268' W, elev. 820 m, 1–5.viii.2005 (7), on flowers of *Croton cladotrichus*.

Stenobatyte miniatocollis (Chevrolat). Recorded from México (state) (Linsley 1935) (as *Stenobatyte cribrata* Casey); Chiapas, Colima, Durango, Jalisco, Michoacán, Morelos, Nayarit, Oaxaca, Sinaloa and Veracruz on flowers of *Acacia* sp. and *Buddleia wrightii* (Chemsak 1980); Jalisco on flowers of *Casearia tremula* and *Croton* sp. (Chemsak & Noguera 1993); Morelos on flowers of *Acacia angustissima* (Noguera et al. 2002); Chiapas (Toledo et al. 2002). MICHOACÁN, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 1–5.viii.2005 (35), on flowers of *Croton cladotrichus*.

Trachyderes (Dendrobias) mandibularis Dupont in Audinet-Serville. Recorded from México (state) on *Salix* sp. (Linsley 1935); Jalisco reared from *Casearia corimbosa* and *Enterobolium cyclocarpum* (Chemsak & Noguera 1993); Sonora (Noguera et al. 2009); Chiapas (Toledo et al. 2002). Monné (2001b) also lists *Acacia* sp., *Baccharis halimifolia*, *Celtis laevigata*, *C. reticulata*, *Ficus* sp., *Leucaena pulverulenta*, *Parkinsonia aculeata*, *Pithecellobium* sp., *Tamarix indica* and *Ulmus* sp. as hosts. MICHOACÁN, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 4.viii.2005 (5), on foliage of unidentified malvaceous shrub.

Triacetelus sericatus Bates. Recorded from México (state) (Linsley 1935); Morelos on flowers of *Croton* sp. and *Stemmadenia galeotiana* (Noguera et al. 2002); Jalisco (Noguera et al. 2008); Monné & Bezark (2011) also list Guerrero, Jalisco, México (state), Nayarit, Oaxaca and Sinaloa. MICHOACÁN, 29.5 km S Cuatro Caminos on Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beaten *ex Erythroxyton havanense*.

Tylosis puncticollis Bates. Recorded from Jalisco (Chemsak & Noguera 1993); Aguascalientes, Chihuahua, Coahuila, Colima, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, Michoacán, Morelos, Nayarit, San Luis Potosí, Sinaloa, Sonora, Tamaulipas and Zacatecas (Valdez-Sánchez & MacKay 1993); Morelos (Noguera et al. 2002); Colima, México (state), Guerrero, Hidalgo, Jalisco, Michoacán, Oaxaca and Tabasco (Toledo 2006); Sonora (Noguera et al. 2009). PUEBLA, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (1), on flowers of *Senna hirsuta*.

Subfamily Lamiinae

Tribe Acanthocinini

Canidia ochreostictica (Dillon). Described from Michoacán (Dillon 1956) and recorded also from Jalisco (Wappes & Lingafelter 2005). MICHOACÁN, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 3.viii.2005 (1), perched on *Artimisia* sp. (Asteraceae).

Lagocheirus araneiformis ypsilon (Voet). Recorded from Campeche, Chiapas, Guerrero, Jalisco, México (state), Michoacán, Morelos, Nayarit and Yucatán;

reared from *Bursera simaruba* and *Spondias purpurea* (Toledo 1997); Morelos (Noguera et al. 2002); Sonora (Noguera et al. 2009); Noguera (2012) also lists Puebla. Monné (2001c) also lists *Ficus* sp., *Hura crepitans*, *Manihot esculenta*, *Sapium aucuparium*, *Saccharum officianale*, *Spondias mombin* and *Zea* sp. as hosts. **OAXACA**, 15.4 km NE Sto. Domingo Tehuantepec on Hwy 185 @ km 268, Jct. Rancho Nochixtlán, 16°23'53" N, 95°06'36" W, elev. 20', 26.vii.2005 (1), beating miscellaneous dead branches in tropical lowland thorn scrub.

Leptostylus arciferus Gahan. Monné & Bezark (2011) list Guerrero and Morelos. **OAXACA**, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 21.x.2004 (2), beaten ex *Ipomoea pauciflora*. **PUEBLA**, 5.8 km SW Acatepec on Hwy 125, 18°12'39" N, 97°37'42" W, elev. 6400', 21.x.2004 (1), beaten ex *Mimosa polyantha*.

Mecotetartus antennatus Bates. Recorded from Baja California at night on trunks of fallen trees (Linsley 1942); Jalisco reared from *Bursera instabilis* (Chemsak & Noguera 1993); Morelos (Noguera et al. 2002); Chiapas on dead *Bursera* sp. (Toledo et al. 2002); Sonora (Noguera et al. 2009). **MICHOACÁN**, 29.5 km S Cuatro Caminos on Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, elev. 230 m, 2.viii.2005 (1), beating miscellaneous dead branches; 10.4 km E Cuatro Caminos on Hwy 120, 18°55'50" N, 102°03'10" W, elev. 745', 4.viii.2005 (1), in flight.

Sternidius batesi Gahan. Lectotype from Guerrero (Chemsak & Linsley 1970); recorded from Jalisco (Chemsak & Noguera 1993). **MICHOACÁN**, Sierra del Espinazo del Diablo, 35.0 km NE Arteaga, 18°25.852' N, 102°06.268' W, elev. 820 m, 5.viii.2005 (1), beating miscellaneous dead branches. **OAXACA**, 7.0 km NW Díaz Ordaz on Rd to Villa Alta, 17°01'18" N, 96°28'20" W, elev. 7060', 26.vii.2005 (1), beaten ex *Mimosa aculeaticarpa*.

Tribe Acanthoderini

Psapharochrus borrei (Dugès). Recorded from Jalisco, Guerrero, Morelos, Puebla and Veracruz (Chemsak & Hovore 2002); Morelos (Noguera et al. 2002); Jalisco (Noguera et al. 2009); Monné & Bezark (2011) also list Guanajuato. Monné (2001c) lists *Ipomoea murucoides* as a host. **PUEBLA**, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (3), beaten ex *Ipomoea pauciflora*.

Tribe Anisocerini

Thryallis sallaei Bates. Described from Morelos (Bates 1880); recorded from Morelos on recently dead *Conzattia multiflora* (Noguera et al. 2002). **OAXACA**, 5.2 km SW Huapanapan on Hwy 125, 18°06'30" N, 97°41'13" W, elev. 6015', 18.x.2006 (5), beaten ex *Leucaena diversifolia*.

Tribe Apomecynini

Parmenonta minor Bates. Lectotype from Veracruz (Chemsak & Linsley 1970); Monné & Bezark (2011) also list Tamaulipas. **OAXACA**, 15.4 km NE Sto. Domingo Tehuantepec on Hwy 185 @ km 268, Jct. Rancho Nochixtlán, 16°23'53" N, 95°06'36" W, elev. 20', 26.vii.2005 (4), beating miscellaneous dead branches.

Tribe Desmiphorini

Cymatonycha fasciata Chemsak & Noguera. Described from specimens collected in Jalisco, Michoacán and Guerrero (Chemsak & Noguera 1993); Jalisco (Noguera et al. 2009); Morelos (Noguera et al. 2002). **MICHOACÁN**, 29.5 km S Cuatro

Caminos on Hwy 37 @ km 167.5, 18°47.643' N, 102°04.782' W, 230 m, 2.viii.2005 (9), beaten *ex Acacia cochliacantha*; 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 3.viii.2005 (6), beaten *ex A. cochliacantha*.

Tribe Hemilophini

Essostrutha laeta (Newman). Recorded from Chiapas, Colima, Guerrero, Nayarit, Oaxaca, Puebla, Sinaloa and Veracruz (Chemsak 1978); Jalisco "on foliage weeds and grasses" (Chemsak & Noguera 1993); Morelos on *Gliricidia sepium* and *Melampodium divaricatum* (Noguera et al. 2002). MICHOACÁN, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 3.viii.2005 (1), foliage *Asclepias* sp. (Asclepiadaceae); 1.9 km SE Zicuirán, 18°52'10" N, 101°56'23" W, elev. 632', 4.viii.2005 (1), on foliage undetermined malvaceous shrub.

Tribe Moneilemini

Moneilema albopictum White. Monné & Bezark (2011) list México (state), Puebla and Oaxaca. The following is a confirming record for: PUEBLA, 2.7 km N Petlalcingo on Hwy 190, 18°05'51" N, 97°56'45" W, elev. 4810', 30.vii.2005 (1), on *Opuntia* sp. (Cactaceae).

Tribe Monochamiini

Mimolochus hoefneri (Thomson). Recorded from Chiapas (Toledo et al. 2002); Monné & Bezark (2011) also list Guerrero, México (state), Morelos, Oaxaca and Puebla. The following is a confirming record for: PUEBLA, 2.7 km N Petlalcingo on Hwy 190 @ km 174, 18°05'54" N, 97°56'46" W, elev. 4824', 16.x.2006 (1), in flight.

Tribe Onciderini

Oncideres ocellaris Bates. Recorded from Chiapas and Oaxaca (Noguera 1993). OAXACA, 10.0 km E Huajuapán de León on Hwy 125, 17°51'31" N, 97°42'50" W, elev. 5520', 18.x.2004 (3), beaten *ex Lysiloma acapulcense*.

Oncideres senilis Bates. Lectotype from Veracruz (Chemsak & Linsley 1970); also recorded from Guerrero, Jalisco, Morelos, Oaxaca and Puebla (Noguera 1993). Monné (2004) lists *Acacia* sp. as a host. PUEBLA, 12 km NW Tehuiztzingo on Hwy 190, Puerto del Gato, 18°23'29" N, 98°20'01" W, elev. 3865', beaten *ex Acacia cochliacantha*.

Tribe Phytoecini

Mecas (Mecas) obereoides Bates. Recorded from Jalisco (Chemsak & Noguera 1993); Chiapas, Colima, Guerrero, Jalisco, México (state), Morelos, Nayarit, Oaxaca, Puebla, San Luis Potosí, Sinaloa and Veracruz; hosts unknown (Chemsak & Linsley 1973); Morelos (Noguera et al. 2002). OAXACA, 6 km S Matalán, 1.7 km W Hwy 190 on R.M.O. Ocototec, 16°49'32" N, 96°21'42" W, elev. 6800', 16.x.2004 (1), on flowers of *Viguiera dentata*. PUEBLA, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (1), on flowers of *V. dentata*.

Tribe Pogonocherini

Ecyrus ciliatus Chemsak & Linsley. Described from Michoacán and Guerrero on *Acacia* sp. (Chemsak & Linsley 1975); recorded from Morelos (Noguera et al. 2002). MICHOACÁN, 10.4 km E Cuatro Caminos on Hwy 120, 18°55'50" N, 102°03'10" W,

elev. 745', 4.viii.2005 (2), beaten *ex Acacia cochliacantha* and *Prosopis laevigata* (Humb. & Bonpl. ex Willd.) M.C. Johnst. (Fabaceae).

Tribe Pteroplatini

Ataxia perplexa (Gahan). Monné & Bezark (2011) list Morelos and Guerrero. **PUEBLA**, 3.5 km N El Pitayo on Hwy 190 @ km 90, 18°28'12" N, 98°22'31" W, elev. 3837', 14.x.2006 (1), beating undetermined leguminous tree.

Tribe Tetraopini

Phaea flavovittata Bates. Recorded from Chiapas, Colima, Guerrero, Jalisco on *Marsdenia lanata* (Chemsak 1999); Monné & Bezark (2011) also list Veracruz. **MICHOACÁN**, 4.1 km SE Zicuirán, 18°51'30" N, 101°56'23" W, elev. 705', 3.viii.2005 (7), foliage *Asclepias* sp.

Phaea haleya Chemsak. Described from Chiapas (Chemsak 1999). **OAXACA**. 12.5 km S Teotitlán on Hwy 175 @ km 154, 16°04'37" N, 96°28'31" W, elev. 7650', 25.vii.2005 (1), swept from miscellaneous roadside vegetation.

Phaea maccartyi Chemsak. Described from specimens collected in Jalisco, Morelos, Guerrero, Puebla, Oaxaca and Chiapas on *Gonolobus* sp. and *Thevetia ovata* (Chemsak 1999); recorded from Morelos on leaves of *Gonolobus* sp. (Noguera et al. 2002); Monné & Bezark (2011) also list Guanajuato. **PUEBLA**, 5.0 km NW Petlalcingo on Hwy 190, 18°06'29" N, 97°57'35" W, elev. 4570', 17.x.2006 (1), on flowers of *Heliocarpus velutinus*.

Tetraopes thoreyi Bates. Recorded from Guerrero and Oaxaca (Chemsak 1963); Monné & Bezark (2011) also list Veracruz. **PUEBLA**, 5.3 km W Nicolás Bravo nr. km 7, 18°37'51" N, 97°20'17" W, elev. 7750', foliage *Asclepias* sp.

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